A-K81 CODELOCK
Installation & Operating Instructions

- Contents

1 User guide

1.1	Description	Page. 1
1.2	Technical characteristics	Page. 1
1.3	Operating instructions	Page. 1

2 Installation

2.1	Installation	Page. 2
2.2	Programming	Page. 2
2.3	Wiring diagram	Page. 3
2.4	Maintenance & warranty	Page. 4

- 1.1 Description 1.2 Specification -

Construction
Twelve bright nickel plated keys are set on a bright nickel plated with an aluminium rainhood. The keys are back lit through the key legend by blue LEDs. The PVC chassis box has a cable access through a grommetted hole in the rear. Two screws release the panel from below. Electrical connections are on two screw terminal blocks on the PCB

Electrical
The codelock has a relay output with isolated contacts. Power terminals **+B** and **Gnd** accept AC or DC power. There is an exit button input. A buzzer gives audible feedback when keys are pressed. A green LED lights as the relay operates. A red LED lights in programme mode.

Programming
A master code must be entered to make programme changes. Three parameters can be set via the keypad; the user code, the relay 'ON' time, and the master code. There is a recovery procedure that resets all the codes back to the factory settings in case a mastercode is lost.

User codes	1 code, 4 to 8 digits
Relay time	01-99 secs, or latching (00)
Dimensions	90w x150h x 20d
Weight	300g
Supply	12-14V ac/dc
Power	Standby 0.23W Unlocking 0.75W
Material	Bright nickel plated alloy
Protection	IP54 (with rainhood)
Illumination	Backlit with blue LED
Relay output	NO volt free contact, 2A res
Temp range	-10˚C ~ 50˚C

- 1.3 User instructions

To open the door… **Enter your code, then press ✸ key**

- 2.1 Installation instructions FOREMATIC -

1. Install the low voltage cable through the wall, setting the codelock about 1.5m above ground.
2. Remove the rain hood then take the panel off the back box. Access is by two screws from underneath.
3. Place the rain hood and plastic back box against the wall, with the wires passing through the grometted hole in the rear of the back box. Drill the wall through the three mounting holes, and fix
4. Cut the wires to length and connect as the wiring diagram. Allow at least 3 inches of cable to allow the panel to be removed.
5. Fix the two front panel screws from beneath.
6. Connect the power, then try the test user code 1234 5678. The green LED on the panel should light for 5 seconds as the relay switches on.

- 2.2 Programming the codelock FOREMATIC -

1. Master code

The mastercode is the key to programming. The codelock leaves the factory with the mastercode set to 1111 1111. You are advised to change it to a unique number at the first opportunity.

2. Codes

This codelock has one user code from 4 to 8 digits long. Before starting programming, you will need to have a user code in mind, and preferably a new mastercode. Avoid dates of birth, car registrations and local 'phone numbers. Choose a number then write it in the table below. User code 1234 5678 is pre-programmed for test purposes.

User code	
Mastercode	
Relay time	

3. Software reset

The codelock can be reset from the keypad.

Enter mastercode **1111 1111** ✻ (enter)
…….. *red LED lights and codelock beeps OK*
Press **50**✻ …. *codelock beeps OK*

All the user code, relay time and mastercode are returned to their default.

4. Set the user code to (eg 87654)

Enter mastercode **1111 1111** ✻ (enter)
…….. *red LED lights and codelock beeps OK*
Press **51** ✻ …. *codelock beeps OK*
Press **87654** ✻ …. *codelock beeps OK*

The new user code is now 87654. If an invalid code is attempted the codelock beeps 'error' which is 4 beeps.

5. Setting the relay time (eg set to 3 secs)

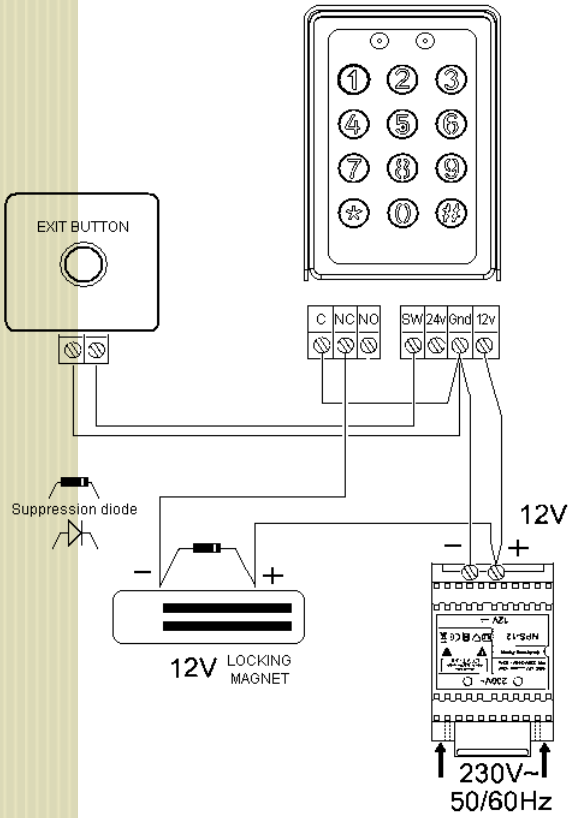
Enter mastercode **1111 1111** ✻ (enter)
…….. *red LED lights and codelock beeps OK*
Press **52** ✻ …. *codelock beeps OK*
Press **03** ✻ …. *codelock beeps OK*

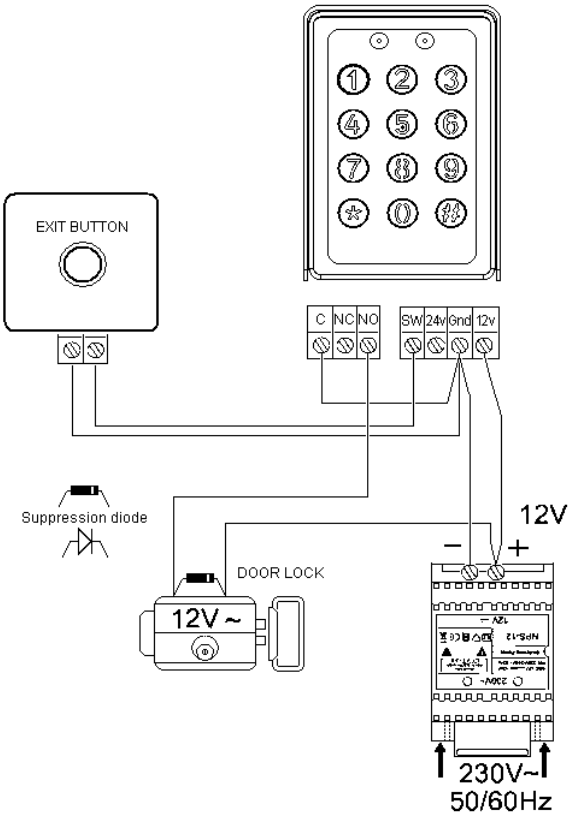
The new relay on time is now 3 seconds. If an invalid time period is attempted the codelock beeps 'error' which is 4 beeps.

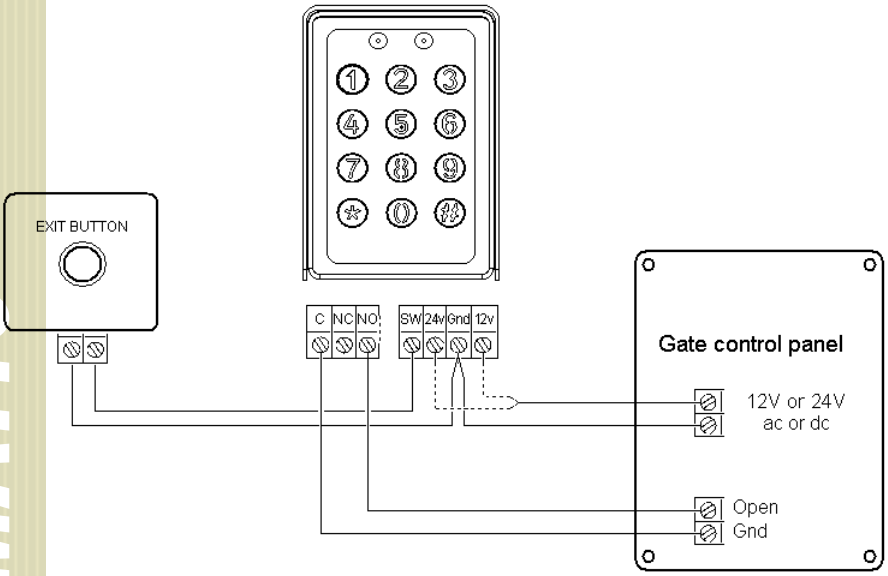
6. Changing the master code to 1313 1313

Enter old mastercode **1111 1111** ✻ (enter)
…….. *red LED lights and codelock beeps OK*
Press **56** ✻ …. *codelock beeps OK*
Press **1313 1313** ✻ …. *codelock beeps OK*

The mastercode is now 1313 1313. If an invalid code is attempted the codelock beeps 4 times for 'error'.


EXIT BUTTON
C NC NO
SW 24v Gnd 12v
Suppression diode
12V
12V LOCKING MAGNET
230V~
50/60Hz


EXIT BUTTON
C NC NO
SW 24v Gnd 12v
Suppression diode
DOOR LOCK
12V ~
12V
230V~
50/60Hz


EXIT BUTTON
C NC NO
SW 24v Gnd 12v
Gate control panel
12V or 24V
ac or dc
Open
Gnd

Do not use in high humidity. Do not drop or apply physical shocks. Do not expose units to acid oxides, ammonia, or any other harmful substances. Wipe down with a soft damp cloth. Do not spray or immerse units in liquids, or use a hose pipe or pressure cleaner near the panel. Lime released from new mortar is alkaline, and corrosive to entry panel components.

The inside of the entry panel should be checked from time to time for moisture and ingress of road dirt. Check that the case seals are functioning. Insects may find a way into the entry panel to nest. Clear them with a vacuum cleaner. Seal the cable entry points with petroleum jelly and spray lightly with WD40. Ensure the power is off before working inside the panel.

There are no electrical settings or fuses inside. Codes and relay on times may need to be changed. Refer to programming section.

Damaged units may be returned to the manufacturer to assess for repair. Most often it is found more expedient to replace damaged units. Waste electrical products should not be disposed of with normal household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.

This equipment is warranted to be free from defects in material and workmanship for a period of 12 months from the date of purchase as indicated on the proof of purchase and/or by serial number on the product.

Defective units returned by the purchaser at his own expense during this period will be, at the vendors' discretion, either repaired and returned, or replaced with an equivalent piece of refurbished and tested equipment. The repaired equipment or replacement is then warranted for the balance of the initial warranty period or for thirty (30) days, whichever is longer.

The repair or replacement will be without charge provided that the equipment has not been subjected to electrical or physical misuse or to unauthorised repair or modification.

The foregoing warranty is in lieu of all other warranties, express or implied, including, but not limited to, merchantability or fitness for a particular purpose.

The purchaser's exclusive remedy with respect to any and all losses or damages resulting from any cause whatsoever shall be repair or replacement as specified above.

Distributor shall in no event be liable for any consequential or incidental damages, however occasioned, whether by negligence or otherwise. No suit or action shall be brought against manufacturer more than one year after the accrual of the cause of action thereof. No agent, employee or representative of the distributor nor any other person is authorised to modify this warranty in any respect. This warranty gives you specific legal rights and you may also have other rights which vary from jurisdiction to jurisdiction.

Declaration of Conformity

We hereby declare that the codelock model A-K81 has been manufactured in accordance with the following standards or normative documents.

EN61000-6-3: 2007
EN61000-3-2: 2006+A1: 2009+A2: 2009
EN61000-3-3:2008
EN61000-6-1 :2007
EN60065 : 2002+A1 : 2006+A11 : 2008

In accordance with the following directives:

2006/95/EC The Low Voltage Directive
2004/108/EC The EMC Directive

April 2011 FOREMATIC
9 Vanalloys Estate, Stoke Row, Henley
OXON, RG9 5QW, United Kingdom.

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FOREMATIC

Forematic
9 Vanalloys Estate
Stoke Row
Henley RG9 5QW

www.forematic.com